INTERNATIONAL SEARCH REPORT

International Application No

PC-7US2004/038172 CLASSIFICATION OF SUBJECT MATTER
PC 7 B21D26/02 B21D26/06 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 B21D Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ° Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X WO 99/41028 A (DAIMLERCHRYSLER AG; BIKERT, 1-15 ARNDT; BOBBERT, STEFAN)
19 August 1999 (1999-08-19) page 3, paragraph 5 - page 6, paragraph 2; figures 1,2 X DE 100 19 912 A1 (FORSCHUNGSGESELLSCHAFT 1-3,5-7,UMFORMTECHNIK MBH) 9,11,15 31 October 2001 (2001-10-31) column 2, line 7 - column 3, line 24; 4,8,10, figures 1.3 EP 0 985 465 A (KABUSHIKI KAISHA OPTON) X 1,2,5,6, 15 March 2000 (2000-03-15) 9.11.15 column 8, line 51 - column 9, line 51; figures 1.6 -/--Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: *T* tater document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the 'A' document defining the general state of the art which is not considered to be of particular relevance invention 'E' earlier document but published on or after the international *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filino date 'L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-ments, such combination being obvious to a person skilled *O* document reterring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed "8" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 7 March 2005 31/03/2005 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

Ritter, F

INTERNATIONAL SEARCH REPORT

International Application No
PCO US2004/038172

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages X DE 38 40 939 A1 (KUHN, RAINER, DIPLING., 6690 ST WENDEL, DE) 7 June 1990 (1990-06-07) claims 1,4,5; figures 1,2,5	Relevant to claim No.
DE 38 40 939 A1 (KUHN, RAINER, DIPLING., 6690 ST WENDEL, DE) 7 June 1990 (1990-06-07)	1,3,5,7,
6690 ST WENDEL, DE) 7 June 1990 (1990-06-07)	1,3,5,7,
	9,15
DE 197 51 035 A1 (FORSCHUNGSGESELLSCHAFT UMFORMTECHNIK MBH, 70174 STUTTGART, DE; FORSCHU) 27 May 1999 (1999-05-27) column 1, line 66 - column 2, line 34; claims 1,4,7,8; figures 1-5	1-3,5-7, 9,11,15

INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No PC/US2004/038172

			70170020047030172			
Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 9941028	Α	19-08-1999	DE	19805172	A1	19-08-1999
			ΑT	220580	T	15-08-2002
			BR	9907797	Α	17-10-2000
			CA	2320096	A 1	19-08-1999
			DE	59902034	D1	22-08-2002
			WO	9941028	A1	19-08-1999
			EP	1054744	A1	29-11-2000
			ES	2178874		01-01-2003
			HU	0101218		28-08-2001
			JP	2002502706	T	29-01-2002
			PL	342219		21-05-2001
			US	6282934	B1	04-09-2001
DE 10019912	A1	31-10-2001	NONE			
EP 0985465	A	15-03-2000	JP	3022506	B2	21-03-2000
			JP	2000084624	Α	28-03-2000
			JP	2999757	B2	17-01-2000
			JP	2000084625	Α	28-03-2000
			DE	69913057		08-01-2004
			DE	69913057		26-08-2004
			EP	0985465		15-03-2000
			KR	2000023010		25-04-2000
			US	6128936	Α	10-10-2000
DE 3840939	A1	07-06-1990	DE	3906958	A1	06-09-1990
	A1	27-05-1999	NONE			